Grant Prospects for MRI Research: National Institutes of Health
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(1) General Outline of Funding Process:

a. Decide on:
   i. Grant Mechanism (R21/R01, etc)
   ii. Grant Type (unsolicited/response to initiative)
   iii. Institutes and Centers (NIBIB, NCI, etc)
   iv. study section
b. Submission (Receipt and Referral, CSR)
c. Study Section Review (CSR)
d. Program Review (large grants, e.g., BRP, P41)
e. Council Review
f. Funding (or Revision and Resubmission)

(2) Grant Mechanism

a. R21
b. R01
c. Bioengineering Research Partnership (BRP)
d. P41
e. SBIR/STTR

(3) Grant Type?

a. Investigator Initiated:
   i. Standard Receipt Dates (depend on mechanism)
   ii. Standing Review Panels (BMIT/MEDI/MEDI-A, etc)
   iii. “Standard” Paylines (vary across IC’s)

b. Response to Initiatives:
   i. some current initiatives
   ii. potential sources of initiatives:

(4) Choice of Institute/Center?

   a. Technology Development:
      i. NIBIB (R21/R01/BRP/P41)
      ii. NCI (Cancer Imaging Program)
      iii. NCRR (P41)

   b. Translation and Application:
      i. All other IC’s

(5) Types of MRI Technology Development Funded by the NIBIB:

   a. High Field Imaging
   b. Low Cost Imaging
   c. Parallel Imaging
   d. Spectroscopic Imaging
   e. Diffusion Tensor Imaging
   f. Perfusion Imaging
   g. Multi-Modal Imaging (e.g., PET/MRI)
   h. EPR Imaging
   i. Molecular Imaging
   j. Cell Tracking
   k. fMRI
   l. MR Elastography
   m. Hyperpolarized MRI
   n. Imaging Informatics

(6) Program Contacts for Technology Development Grants:

   a. NIBIB (Guoying Liu)
   b. NCI (Larry Clarke)
   c. NCRR (Abraham Levy)

(7) Recent Procedural Changes:

   a. A2 revision
   b. Early stage investigators
   c. Scoring
   d. Adobe
   e. Page limits